BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Work: Improvements to Roads at 5th, 6th, 8th, 12th Cross, Shivananda Store Road, Maheshwara Temple and Surrounding Area in Ward No.13, Shettyhalli SubDivision.

Measurements

Work Order No: EE/DD/W.O/107/2020-21, Dated:- 18-09-2020.

Job Code:- 013-20-000129, Est.Cost:- 45.00 Lakhs.

Agency name:- Sri. M. D. Gnanendra Murthy.

Sl.No	Description of Work	Chainage		Unit	No	Dimension					Quantity
						L	B1	B2	Avg B =(B1+B2)/2	D	
7	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum, Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.										

Measurement Recorded On:-

CC Roads									
Kalyananagara									
5th Cross Road,									
	0.00	30.00	1	30.00	3.80	5.40	3.90	0.15	17.55
	30.00	60.00	1	30.00	4.40	5.40	4.90	0.15	22.05
	60.00	80.00	1	22.00	5.40	5.30	5.35	0.15	16.05
4th Cross Road, 1st Main Road to 2nd Main Road									
	0.00	30.00	1	30.00	6.00	5.70	5.85	0.15	26.33
	30.00	60.00	1	30.00	5.70	5.80	5.75	0.15	25.88
	60.00	82.00	1	22.00	5.80	6.20	6.00	0.15	19.80
From 9th Cross to 11th Cross (Maheshwarinagara)									
	0.00	14.50	1	14.50	5.40	5.40	5.40	0.15	11.75
	14.50	24.50	1	10.00	4.40	4.40	4.40	0.15	6.60
	24.50	45.00	1	20.50	8.60	8.60	8.60	0.15	26.45
	45.00	62.00	1	17.00	4.80	5.20	5.00	0.15	12.75
BBMP School back			2	5.20	2.50	2.20	2.35	0.15	3.67
Cut Portion			6	3.00	0.90	0.90	0.90	0.15	12.15
			8	4.00	0.90	0.90	0.90	0.15	4.32
			5	4.00	3.20	3.20	3.20	0.15	10.08
		Cum					Total Executed Qty		215.41
		Cum					Qty to be Paid		215.41

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057

Assistant Engineer 07/12/2021

Assistant Executive Engineer 07/12/2021

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BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Work: Improvements to Roads at 5th, 6th, 8th, 12th Cross, Shivananda Store Road, Maheshwara Temple and Surrounding Area in Ward No.13, Shettyhalli SubDivision.

Pre-Measurements

Work Order No: EE/DD/W.O/107/2020-21, Dated:- 18-09-2020.

Code:- 013-20-000129, Est.Cost:- 45.00 Lakhs.

Agency name:- Sri. M. D. Gnanendra Murthy.

No	Description of Work	Chainage		Unit	No	Dimension					Quantity
						L	B1	B2	Avg B =(B1+B2)/2	D	
8	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.										
	Measurement Recorded On:-										
	CC Roads										
	Kalyananagara										
	5th Cross Road.										
		0.00	30.00		1	30.00	3.40	4.40	3.90		117.00
		30.00	60.00		1	30.00	4.40	5.40	4.90		147.00
		60.00	80.00		1	20.00	5.40	5.30	5.35		107.00
	4th Cross Road, 1st Main Road to 2nd Main Road										
		0.00	30.00		1	30.00	6.00	5.70	5.85		175.50
		30.00	60.00		1	30.00	5.70	5.80	5.75		172.50
		60.00	82.00		1	22.00	5.80	6.20	6.00		132.00
	From 9th Cross to 11th Cross (Maheshwarinagara)										
		0.00	14.50		1	14.50	5.40	5.40	5.40		78.30
		14.50	24.50		1	10.00	4.40	4.40	4.40		44.00
		24.50	45.00		1	20.50	8.60	8.60	8.60		176.30
		45.00	62.00		1	17.00	4.80	5.20	5.00		85.00
	BBMP School back				2	5.20	2.50	2.20	2.35		24.44
	Cut Portion				6	15.00	0.90	0.90	0.90		81.00
					8	4.00	0.90	0.90	0.90		28.80
					5	4.20	3.20	3.20	3.20		67.20
				Cum		**Total Executed Qty**					**1436.04**
				Cum		**Qty to be Paid**					**1436.04**

07/12/2021

Assistant Engineer
Ward No.013
BBMP, Bangalore

Assistant Executive Engineer
Shettyhalli SubDivision
BBMP, Bangalore

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BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Work: Improvements to Roads at 5th, 6th, 8th, 12th Cross, Shivananda Store Road, Maheshwara Temple and Surrounding Area in Ward No.13, Shettyhalli SubDivision.

Measurements

Work Order No: EE/DD/W.O/107/2020-21, Dated:- 18-09-2020.

Job Code:- 013-20-000129, Est.Cost:- 45.00 Lakhs.

Agency name:- Sri. M. D. Gnanendra Murthy.

Sl.No	Description of Work	Chainage		Unit	No	Dimension					Quantity
						L	B1	B2	Avg B =(B1+B2)/2	D	
13	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic).										
Measurement Recorded On:-											
	Asphalt Roads										
	Kalyananagara										
	12th Cross Road, Bhagyalaxmi Temple Road,										
		0.00	30.00		1	30.00	5.50	4.80	5.15	0.03	4.64
		30.00	60.00		1	30.00	4.80	4.20	4.50	0.03	4.05
		60.00	90.00		1	30.00	4.20	3.30	3.75	0.03	3.38
		90.00	120.00		1	30.00	3.30	3.60	3.45	0.03	3.11
		120.00	150.00		1	30.00	3.60	3.80	3.70	0.03	3.33
		150.00	180.00		1	30.00	3.80	3.80	3.80	0.03	3.42
		180.00	210.00		1	30.00	3.80	3.90	3.85	0.03	3.47
		210.00	240.00		1	30.00	3.90	3.60	3.75	0.03	3.38
		240.00	245.50		1	5.50	3.60	3.20	3.40	0.03	0.56
	Near 2nd Cross, Kalyananagara				1	4.80	1.20	1.20	1.20	0.03	0.17
	Shivananda Store Road.										
		0.00	30.00		1	30.00	4.80	4.90	4.85	0.035	5.09
		30.00	60.00		1	30.00	4.90	5.00	4.95	0.035	5.20
		60.00	90.00		1	30.00	5.00	5.00	5.00	0.035	5.25
		90.00	120.00		1	30.00	5.00	4.70	4.85	0.035	5.09
		120.00	150.00		1	30.00	4.70	5.60	5.15	0.035	5.41
		150.00	180.00		1	30.00	5.60	5.40	5.50	0.035	5.78
		180.00	198.00		1	18.00	5.40	5.60	5.50	0.035	3.47
	2nd Cross Road, BHEl Mini Colony.										
		0.00	30.00		1	30.00	4.70	4.30	4.50	0.03	4.05
		30.00	60.00		1	30.00	4.30	3.50	3.90	0.03	3.51
		60.00	90.00		1	30.00	3.50	3.60	3.55	0.03	3.20
		90.00	95.50		1	5.50	3.60	3.90	3.75	0.03	0.62

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057

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Description of Work	Chainage		Unit	No	Dimension					Quantity
					L	B1	B2	Avg B =(B1+B2)/2	D	
3rd Cross Road, BHEl Mini Colony.										
	0.00	30.00		1	30.00	4.00	3.30	3.65	0.03	3.29
	30.00	60.00		1	30.00	3.30	3.70	3.50	0.03	3.15
	60.00	90.00		1	30.00	3.70	3.80	3.75	0.03	3.38
	90.00	101.00		1	11.00	3.80	4.20	4.00	0.03	1.32
			Cum	Total Executed Qty						87.27
			Cum	Qty to be Paid						86.02

Assistant Engineer
Ward No.013
BBMP, Bangalore
24/11/2023

Assistant Executive Engineer
Shettyhalli Subdivision
BBMP, Bangalore

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Name Of Work: Improvements to Roads at 5th, 6th, 8th, 12th Cross, Shivananda Store Road, Maheshwara Temple and Surrounding Area in Ward No.13, Shettyhalli SubDivision.

Pre-Measurements

Work Order No: EE/DD/W.O/107/2020-21, Dated:- 18-09-2020.

Sub Code:- 013-20-000129, Est.Cost:- 45.00 Lakhs.

Agency name:- Sri. M. D. Gnanendra Murthy.

Sl.No	Description of Work	Chainage	Unit	No	Dimension					Quantity
					L	B1	B2	Avg B =(B1+B2)/ 2	D	
14	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates/Sand/Kanker / Moorum.KSRRB M100 1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1									
Measurement Recorded On:-										
	Qty Same as Qty Vide Item No.1			1						87.21
	Qty Same as Qty Vide Item No.2 (60mm thick)									64.10
	Qty Same as Qty Vide Item No.3									438.0
			Cum	Total Executed Qty						589.4
			Cum	Qty to be Paid						589.4

Assistant Engineer
Ward No.013
BBMP, Bangalore

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Name Of Work: Improvements to Roads at 5th, 6th, 8th, 12th Cross, Shivananda Store Road, Maheshwara Temple and Surrounding Area in Ward No.13, Shettyhalli SubDivision.

Pre-Measurements

Work Order No: EE/DD/W.O/107/2020-21, Dated:- 18-09-2020.

Job Code:- 013-20-000129, Est.Cost:- 45.00 Lakhs.

Agency name:- Sri. M. D. Gnanendra Murthy.

Sl.No	Description of Work	Chainage	Unit	No	Dimension					Quantity
					L	B1	B2	Avg B =(B1+B2)/ 2	D	
15	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 , Case-I : Surface Road									
Measurement Recorded On:-										
	Qty Same as Qty Vide Item No.1									87.21
	Qty Same as Qty Vide Item No.2 (60mm thick)									64.10
	Qty Same as Qty Vide Item No.3									438.09
				Cum	Total Executed Qty					589.40
				Cum	Qty to be Paid					589.40

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